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cons.aa	G G G V	A K	E
htGFBR-II	LDTLVGKGRFAEVYKAKLKQNTSEQFETVAVKIFPYDHYASWKDRKDI	FSDINLGHENILQF	
mActR-IIB	LLEIKARGRFQCVWKAQLAN-----	DFVAVKIKPLQDKQSWQSEREI	FSTPGMCHENLLQF
mActR-II	LLEVKARGRFQCVWKAQLLN-----	EYVAVKIFPIQDKQSWQNEYEVYSI	PGMCHENILQF
daf-1	LKRVGSGRFGNVSRGDYRG-----	EAVAVKVFNAIDEPAFHKEIEI	FETRMRLRHPNVLRY
subdomains	I	II	III IV

htGFBR-II	LTAERKTELKQYWLITAFHAKGNLQEYLTRHVISWEDLRNVGSSLARGLSHLSDHTP-C
mActR-IIB	IAAEKRGSNLEVELWLITAFHDKGSLIDYLGKNIITWNECHVAETMSRGI SYLHEDVPWCR
mActR-II	IGAERKGTSDVDLWLITAFHEKGSLSDFLKANVVSWNELCHIAETMARGLAYLHEDI PGLK
daf-1	IGSDRVDTGFTVELWLVIYHPSGSLHDFLENTVNIETTYNLMRSTASGLAFLHNQIGGSK
subdomains	V VI-A

cons.aa	DLK N	DFG
htGFBR-II	-GRPKPIVHRDLKSSNLLVKNDLTCCLCDPGLSLRL---	GPYSSVDDLANSQGVGTARYMAP
mActR-IIB	GECHKPSIAHRDFKSNVLLKSDLTAVLADPGLAVRF---	EPGKPPGD--THGQVGTRRYMAP
mActR-II	-DGHKPAISHRDIKSNVLLKQNLTAADIADPGLALKF---	EAGKSAGD--THGQVGTRRYMAP
daf-1	-ESNKPAMAHRDIKSNIMYKDLTCAIGDLGLSLSKPEDAASDI IAN--	ENYKCGTVRYLAP
subdomains	VI-B	VII VIII

Fig. 1

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a.a            C C E G N M C  
5' GCGGATCCTGTTGTGAAGGNAATATGTG 3' Fig. 2A  
BAMHI C C G C

a.a            V A V K I F  
5' GCGGATCCGTCGCAGTCAAAATTTT 3' Fig. 2B  
BamHI G C G G C  
T T T A

a.a            R D I K S K N  
5' GCGGATCCGCGATATTAAAAGCAA 3' Fig. 2C  
BAMHI A C C GTCT  
G A

a.a            E P A M Y  
5' CGGAATTCTGGTGCCATATA Fig. 2D  
EcoRI G G G  
A A

[illegible]

**Fig. 3**

ACTR-II  
 ACTR-IIIB  
 TRR-II  
 TRR-I/ALK-S  
 ALK-1  
 ALK-2  
 ALK-3  
 ALK-4  
 ALK-6

ACR-11  
ACR-11B  
TRR-11  
TRR-1/ALK-5  
ALK-1  
ALK-2  
ALK-3  
ALK-4  
ALK-6

**Fig. 3 contd.**

[illegible]

**Fig. 3 contd.**

vii

X

[illegible]

**Fig. 3 contd.**

—X—

PKESL (513)  
PKESI (536)  
PK (567)

**Fig. 3 contd.**

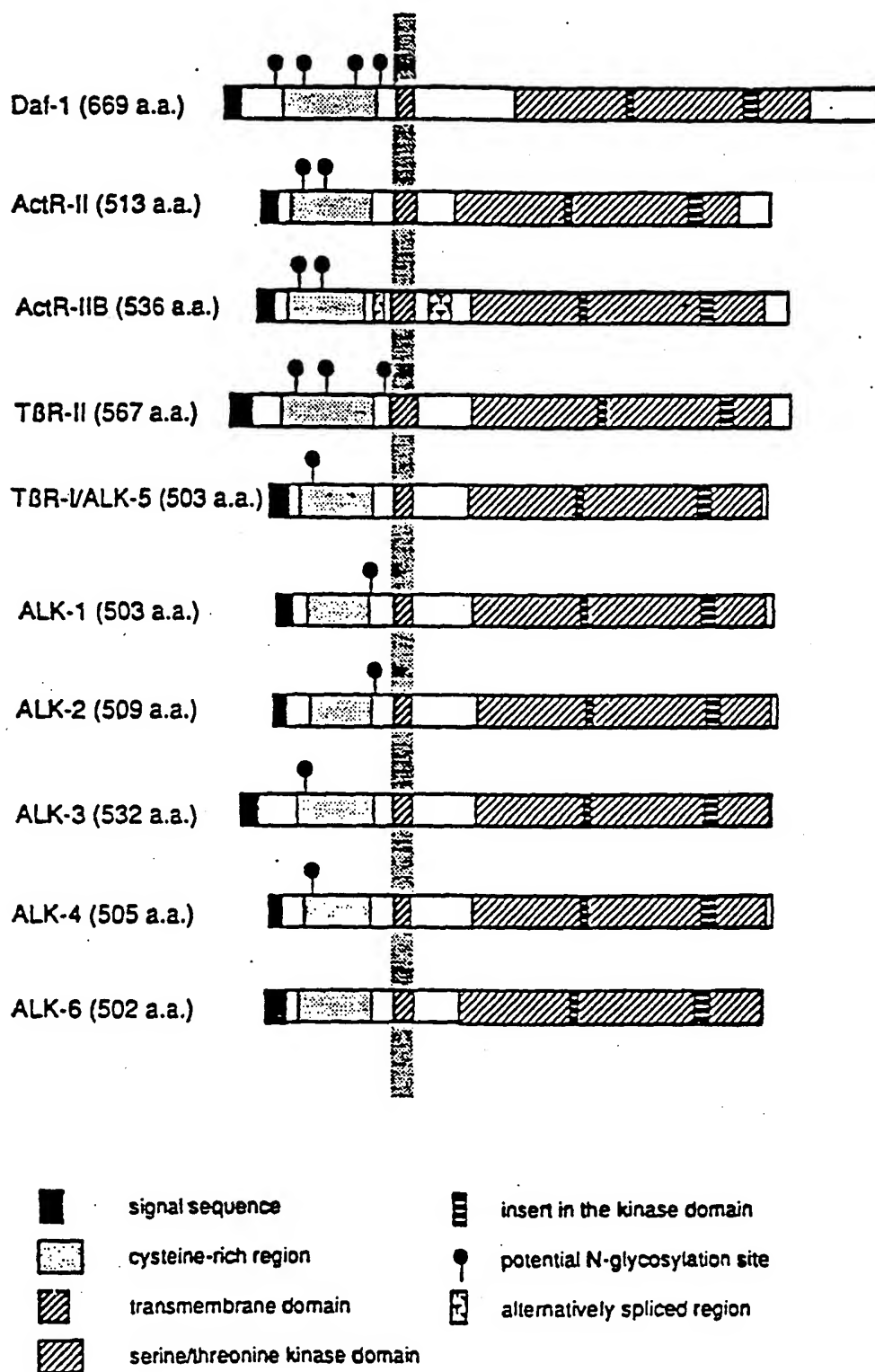


Fig. 4



[illegible]

**Fig. 5**

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ALK-2	ALK-3	ALK-4	ALK-5	ActR-II	ActR-IIB	TBR-II	daf-1	
79	60	61	63	40	40	37	39	ALK-1
	63	64	65	41	39	37	39	ALK-2
		63	65	41	38	37	39	ALK-3
			90	41	40	39	42	ALK-4
				42	40	41	43	ALK-5
					78	48	35	ActR-II
						47	32	ActR-IIB
							34	TBR-II

Fig. 6

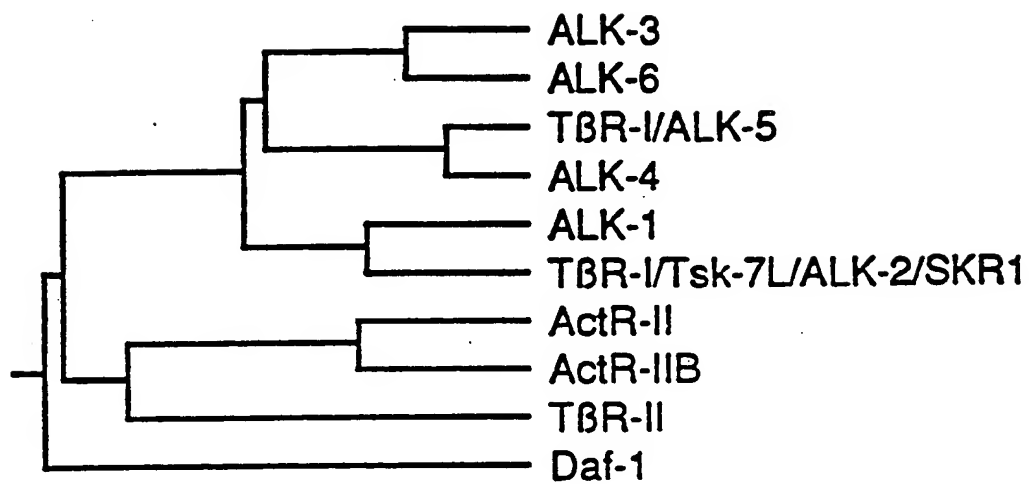


Fig. 7